

Watershed delineation failure error

Posted by ebillmey - 2007/11/26 18:51

Hi, I am receiving a watershed delineation failure error using the latest AGWA download for 9.1. I setup my workspace and geodatabase as instructed. My input is a DEM based off of LIDAR data. The cell size is 10x10. I filled the DEM and created the FDG and FACG grids with no problem. I was able to create a stream grid though the interface did seem to get hung up on saving the stream grid even though it produced and displayed the stream grid. I then used the User-defined to set the outlet and ran the delineation. It would go through the whole process until the very end and then I would get the error. I also tried the point theme with the same result. The DEM is projected and the spatial extent is set to the DEM. Any other ideas?

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Re:Watershed delineation failure error

Posted by isburns - 2007/11/26 19:26

How does AGWA inform you that the delineation failed? Is the message "Watershed delineation failure!" all that appears, or does a message box pop up first and provide any more information?

Does the stream grid look alright, as expected? Is the DEM very large in size? What numbers does the legend of the FDG have? I've heard of others experiencing problems near the end of the delineation, but I've never seen it firsthand so it's been difficult to troubleshoot.

Use ArcCatalog to browse to the workspace location and see if the geodatabase has been created. If so, see what is inside it and report back.

Shea

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Re:Watershed delineation failure error

Posted by ebillmey - 2007/11/27 16:34

Here's the responses to your questions;

1)The message "Watershed delineation failure!" is all that appears at the bottom of the Delineation window, no separate error window appears.

2)Stream grid looks good, DEM is fairly small less than a 1,000 acres, FDG is good with numbers 1,2,4,8,16,32,64,128.

3)The mdb was created in the workspace folder. Inside is a Personal Geodatabase Feature Class with the same name as the mdb however there is no data associated with it (attribute table is empty).

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Re:Watershed delineation failure error

Posted by isburns - 2007/12/17 21:29

Have you tried the delineation again? I recently experienced your error and there was no apparent cause for failure, so I tried the delineation again with the same inputs and it was successful. It is a mystery to me why this happened because there were no changes to the inputs, but nevertheless something must have been different between the failed and successful delineations.

I wish I could offer a solution, but the source of the problem is unidentified. Can you successfully delineate a smaller watershed using the same data?

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